WHAT IS CLAIMED IS:

- 1. A chip light emitting diode comprising:
- a metal pad and a lead spaced away from each other on a printed circuit board;
- a light emitting chip mounted on the metal pad;
- a wire connecting the light emitting chip and the lead; and
- a resin package sealing the light emitting chip and at least a part of the metal pad, lead, and the wire, the resin package having at least one curved projecting part.
- 2. A chip light emitting diode as recited in claim 1, wherein the curved projecting part has a cross section which is substantially semicircular, or substantially or partially elliptical or parabolic.
 - 3. A chip light emitting diode as recited in claim 1, wherein the curved projecting part has a cross section which is comprised of a plurality of straight lines with an angle formed between adjacent lines.
 - 4. A chip light emitting diode as recited in claim 1, wherein at least one stepped part is formed at an outer edge of the resin package.
 - 5. A chip light emitting diode as recited in claim 1, wherein the surface of the resin package has fine striations to scattering light emitted from the light emitting chip.
 - 6. A chip light emitting diode as recited in claim 1, wherein the resin package has one projecting part.
 - 7. A chip light emitting diode as recited in claim 1, wherein the resin package has two projecting parts which are spaced away from each other by a predetermined interval,
 - wherein the predetermined interval ranges from 0.1 to 0.4 times a bottom length of the resin package

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8. A fabrication method of a chip light emitting diode, comprising the steps of:
mounting a light emitting chip on a metal pad formed on a printed circuit board;
connecting the light emitting chip to a lead formed on the printed circuit board;
providing the printed circuit board within a mold having a cavity, the cavity corresponding
to at least one projecting part of the chip light emitting diode; and

forming a resin package sealing the light emitting chip and at least a part of the metal pad and lead by injecting resin material into the cavity of the mold, the resin package having at least one curved projecting part.

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